



OIKE

RAW SEQUENCE LISTING

DATE: 01/30/2002

PATENT APPLICATION: US/09/902,517

TIME: 16:16:54

Input Set : D:\21900-20252.txt

Output Set: N:\CRF3\01302002\I902517.raw

5

3 <110> APPLICANT: Seilhamer, Jeffrey J.
 4 Lewicki, John
 5 Scarborough, Robert M.
 6 Porter, Gordon J.
 8 <120> TITLE OF INVENTION: IMMUNOASSAYS FOR HUMAN AND CANINE BRAIN
 9 NATRIURETIC PEPTIDE
 11 <130> FILE REFERENCE: 219002025213
 13 <140> CURRENT APPLICATION NUMBER: 09/902,517
 14 <141> CURRENT FILING DATE: 2001-07-09
 16 <150> PRIOR APPLICATION NUMBER: 09/287,892
 17 <151> PRIOR FILING DATE: 1999-04-07
 19 <150> PRIOR APPLICATION NUMBER: 08/850,910
 20 <151> PRIOR FILING DATE: 1997-05-05
 22 <150> PRIOR APPLICATION NUMBER: 07/477,226
 23 <151> PRIOR FILING DATE: 1990-02-08
 25 <150> PRIOR APPLICATION NUMBER: 07/299,880
 26 <151> PRIOR FILING DATE: 1989-01-19
 28 <150> PRIOR APPLICATION NUMBER: 07/206,470
 29 <151> PRIOR FILING DATE: 1988-06-14
 31 <150> PRIOR APPLICATION NUMBER: 07/200,383
 32 <151> PRIOR FILING DATE: 1988-05-31
 34 <160> NUMBER OF SEQ ID NOS: 50
 36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 38 <210> SEQ ID NO: 1
 39 <211> LENGTH: 26
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Unknown
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: A portion of human ANP and pBNP.
 46 <400> SEQUENCE: 1
 47 Gly Ser Gly Cys Phe Gly Arg Lys Met Asp Arg Ile Ser Ser Ser Ser
 48 1 5 10 15
 49 Gly Leu Gly Cys Lys Val Leu Arg Arg His
 50 20 25
 52 <210> SEQ ID NO: 2
 53 <211> LENGTH: 25
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Unknown
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: A portion of human ANP and the pBNP.
 60 <400> SEQUENCE: 2
 61 Arg Ser Ser Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser
 62 1 5 10 15

ENTERED

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63 Gly Leu Gly Cys Asn Ser Phe Arg Tyr

64 20 25

66 <210> SEQ ID NO: 3

67 <211> LENGTH: 26

68 <212> TYPE: PRT

69 <213> ORGANISM: Unknown

71 <220> FEATURE:

72 <223> OTHER INFORMATION: A portion of human ANP and pBNP.

74 <400> SEQUENCE: 3

75 Asp Ser Gly Cys Phe Gly Arg Arg Leu Asp Arg Ile Gly Ser Leu Ser

76 1 5 10 15

77 Gly Leu Gly Cys Asn Val Leu Arg Arg Tyr

78 20 25

80 <210> SEQ ID NO: 4

81 <211> LENGTH: 6

82 <212> TYPE: PRT

83 <213> ORGANISM: Unknown

85 <220> FEATURE:

86 <223> OTHER INFORMATION: An additional N-terminal amino acid extension.

88 <400> SEQUENCE: 4

89 Ser Pro Lys Thr Met Arg

90 1 5

92 <210> SEQ ID NO: 5

93 <211> LENGTH: 17

94 <212> TYPE: PRT

95 <213> ORGANISM: Unknown

97 <220> FEATURE:

98 <223> OTHER INFORMATION: Peptides having natriuretic activity.

100 <221> NAME/KEY: VARIANT

101 <222> LOCATION: (5)...(5)

102 <223> OTHER INFORMATION: Xaa = Arg or Lys

104 <221> NAME/KEY: VARIANT

105 <222> LOCATION: (6)...(6)

106 <223> OTHER INFORMATION: Xaa = Leu or Met

108 <221> NAME/KEY: VARIANT

109 <222> LOCATION: (10)...(10)

110 <223> OTHER INFORMATION: Xaa = Gly or Ser

112 <221> NAME/KEY: VARIANT

113 <222> LOCATION: (12)...(12)

114 <223> OTHER INFORMATION: Xaa = Leu or Ser

116 <400> SEQUENCE: 5

OK> 117 Cys Phe Gly Arg Xaa Xaa Asp Arg Ile Xaa Ser Xaa Ser Gly Leu Gly

118 1 5 10 15

119 Cys

122 <210> SEQ ID NO: 6

123 <211> LENGTH: 4

124 <212> TYPE: PRT

125 <213> ORGANISM: Unknown

127 <220> FEATURE:

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128 <223> OTHER INFORMATION: R1
130 <221> NAME/KEY: VARIANT
131 <222> LOCATION: (1)...(1)
132 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
134 <221> NAME/KEY: VARIANT
135 <222> LOCATION: (2)...(2)
136 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
138 <400> SEQUENCE: 6

W-X-> 139 Xaa Xaa Ser Gly

140 1

142 <210> SEQ ID NO: 7

143 <211> LENGTH: 5

144 <212> TYPE: PRT

145 <213> ORGANISM: Unknown

147 <220> FEATURE:

148 <223> OTHER INFORMATION: R1

150 <221> NAME/KEY: VARIANT

151 <222> LOCATION: (1)...(1)

152 <223> OTHER INFORMATION: Xaa = Met or Val

154 <221> NAME/KEY: VARIANT

155 <222> LOCATION: (2)...(2)

156 <223> OTHER INFORMATION: Xaa = His, Arg or Gln

158 <221> NAME/KEY: VARIANT

159 <222> LOCATION: (3)...(3)

160 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly

162 <400> SEQUENCE: 7

OK-> 163 Xaa Xaa Xaa Ser Gly

164 1 5

166 <210> SEQ ID NO: 8

167 <211> LENGTH: 6

168 <212> TYPE: PRT

169 <213> ORGANISM: Unknown

171 <220> FEATURE:

172 <223> OTHER INFORMATION: R1

174 <221> NAME/KEY: VARIANT

175 <222> LOCATION: (1)...(1)

176 <223> OTHER INFORMATION: Xaa = Thr or Met

178 <221> NAME/KEY: VARIANT

179 <222> LOCATION: (2)...(2)

180 <223> OTHER INFORMATION: Xaa = Met or Val

182 <221> NAME/KEY: VARIANT

183 <222> LOCATION: (3)...(3)

184 <223> OTHER INFORMATION: Xaa = His, Arg or Gln

186 <221> NAME/KEY: VARIANT

187 <222> LOCATION: (4)...(4)

188 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly

190 <400> SEQUENCE: 8

W-X-> 191 Xaa Xaa Xaa Xaa Ser Gly

192 1 5

RAW SEQUENCE LISTING

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Input Set : D:\21900-20252.txt

Output Set: N:\CRF3\01302002\I902517.raw

194 <210> SEQ ID NO: 9
 195 <211> LENGTH: 7
 196 <212> TYPE: PRT
 197 <213> ORGANISM: Unknown
 199 <220> FEATURE:
 200 <223> OTHER INFORMATION: R1
 202 <221> NAME/KEY: VARIANT
 203 <222> LOCATION: (2)...(2)
 204 <223> OTHER INFORMATION: Xaa = Thr or Met
 206 <221> NAME/KEY: VARIANT
 207 <222> LOCATION: (3)...(3)
 208 <223> OTHER INFORMATION: Xaa = Met or Val
 210 <221> NAME/KEY: VARIANT
 211 <222> LOCATION: (4)...(4)
 212 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
 214 <221> NAME/KEY: VARIANT
 215 <222> LOCATION: (5)...(5)
 216 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
 218 <400> SEQUENCE: 9

219 Lys Xaa Xaa Xaa Xaa Ser Gly

220 1 5

222 <210> SEQ ID NO: 10
 223 <211> LENGTH: 8
 224 <212> TYPE: PRT
 225 <213> ORGANISM: Unknown
 227 <220> FEATURE:
 228 <223> OTHER INFORMATION: R1
 230 <221> NAME/KEY: VARIANT
 231 <222> LOCATION: (3)...(3)
 232 <223> OTHER INFORMATION: Xaa = Thr or Met
 234 <221> NAME/KEY: VARIANT
 235 <222> LOCATION: (4)...(4)
 236 <223> OTHER INFORMATION: Xaa = Met or Val
 238 <221> NAME/KEY: VARIANT
 239 <222> LOCATION: (5)...(5)
 240 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
 242 <221> NAME/KEY: VARIANT
 243 <222> LOCATION: (6)...(6)
 244 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
 246 <400> SEQUENCE: 10

247 Pro Lys Xaa Xaa Xaa Xaa Ser Gly

248 1 5

250 <210> SEQ ID NO: 11
 251 <211> LENGTH: 9
 252 <212> TYPE: PRT
 253 <213> ORGANISM: Unknown
 255 <220> FEATURE:
 256 <223> OTHER INFORMATION: R1
 258 <221> NAME/KEY: VARIANT

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Input Set : D:\21900-20252.txt

Output Set: N:\CRF3\01302002\I902517.raw

259 <222> LOCATION: (4)...(4)
 260 <223> OTHER INFORMATION: Xaa = Thr or Met
 262 <221> NAME/KEY: VARIANT
 263 <222> LOCATION: (5)...(5)
 264 <223> OTHER INFORMATION: Xaa = Met or Val
 266 <221> NAME/KEY: VARIANT
 267 <222> LOCATION: (6)...(6)
 268 <223> OTHER INFORMATION: Xaa = His, Arg or Gln
 270 <221> NAME/KEY: VARIANT
 271 <222> LOCATION: (7)...(7)
 272 <223> OTHER INFORMATION: Xaa = Lys, Asp or Gly
 274 <400> SEQUENCE: 11
 275 Ser Pro Lys Xaa Xaa Xaa Xaa Ser Gly
 276 1 5
 278 <210> SEQ ID NO: 12
 279 <211> LENGTH: 4
 280 <212> TYPE: PRT
 281 <213> ORGANISM: Unknown
 283 <220> FEATURE:
 284 <223> OTHER INFORMATION: R2
 286 <221> NAME/KEY: VARIANT
 287 <222> LOCATION: (1)...(1)
 288 <223> OTHER INFORMATION: Xaa = Asn or Lys
 290 <400> SEQUENCE: 12
 291 Xaa Val Leu Arg
 292 1
 294 <210> SEQ ID NO: 13
 295 <211> LENGTH: 5
 296 <212> TYPE: PRT
 297 <213> ORGANISM: Unknown
 299 <220> FEATURE:
 300 <223> OTHER INFORMATION: R2
 302 <221> NAME/KEY: VARIANT
 303 <222> LOCATION: (1)...(1)
 304 <223> OTHER INFORMATION: Xaa = Asn or Lys
 306 <221> NAME/KEY: VARIANT
 307 <222> LOCATION: (5)...(5)
 308 <223> OTHER INFORMATION: Xaa = Arg or Lys
 310 <400> SEQUENCE: 13
 311 Xaa Val Leu Arg Xaa
 312 1 5
 314 <210> SEQ ID NO: 14
 315 <211> LENGTH: 6
 316 <212> TYPE: PRT
 317 <213> ORGANISM: Unknown
 319 <220> FEATURE:
 320 <223> OTHER INFORMATION: R2
 322 <221> NAME/KEY: VARIANT
 323 <222> LOCATION: (1)...(1)

Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

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Input Set : D:\21900-20252.txt

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L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33